

TEKNIK PENULISAN KARYA ILMIAH

SCIENTIFIC WRITING TECHNIQUES

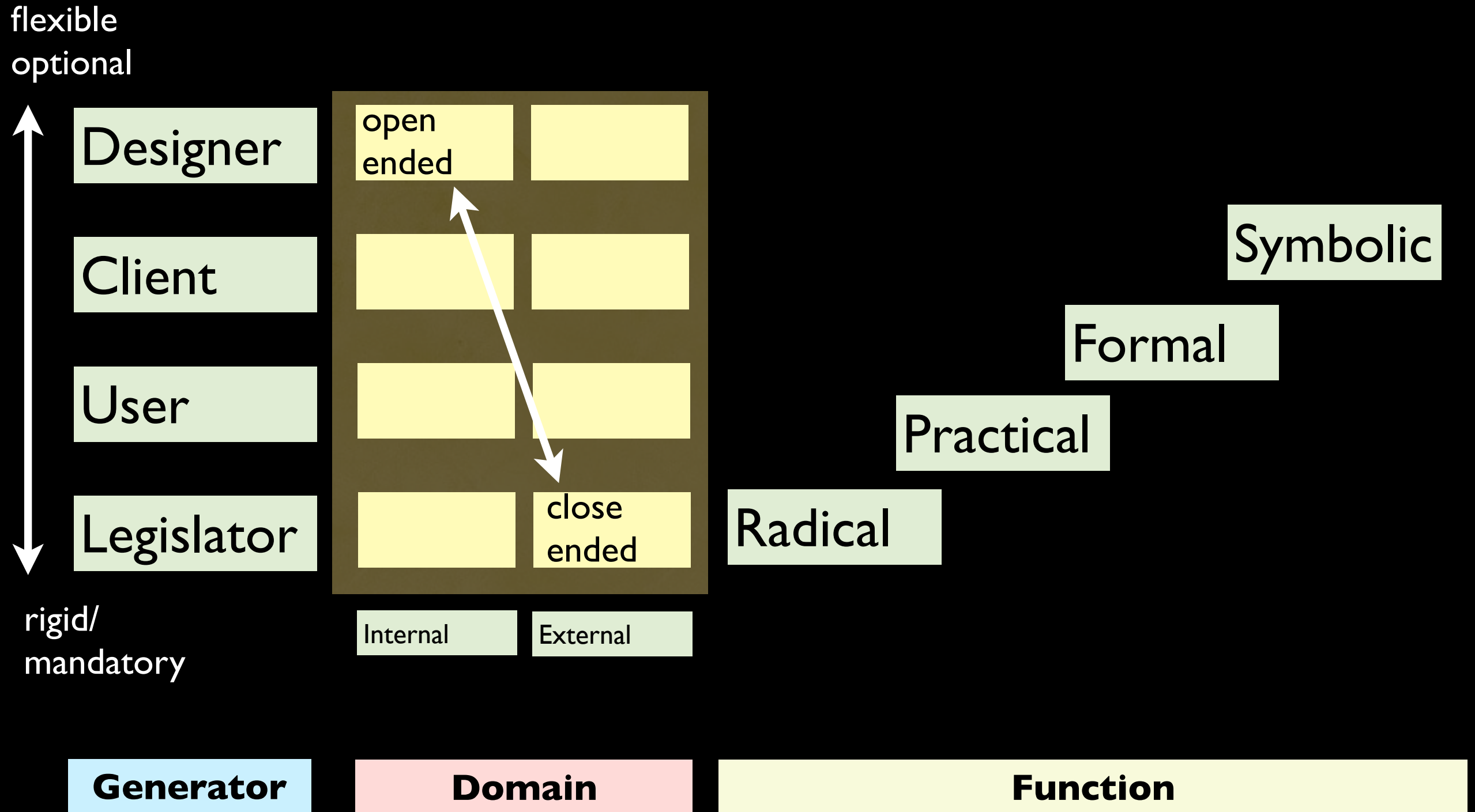
MINGGU 12

► **BATASAN MASALAH**

Menyusun Masalah Perancangan

1. Space of Design Constraint
2. Matrix of Inquiry

Space of Design Constraints – Brian Lawson



Space of Design Constraints – Brian Lawson

The generators of constraints

- designers themselves
- clients
- users
- legislators

designer-generated constraints are the most flexible; legislator-generated constraints are the least flexible.

Space of Design Constraints – Brian Lawson

The domain of constraints

- internal to the thing being designed
- imposed from outside (external)

Space of Design Constraints – Brian Lawson

The type of constraint

Symbolic: related to meaning

Formal: color, texture, shape, etc.

Practical: related to production

Radical: fundamental, related to the main purpose

“The Matrix of Inquiry” – Richard Buchanan

Nature of Inquiry

kind of question

Theory

principles + causes of design

Practice

design practice

Production

making products

Past

Present

Scope of Inquiry

scale of investigation

Future

theory

Clinical

the single case

Applied

issue common
to a family of
causes

Basic

fundamental
issue common
to all cases

Direction of Inquiry

orientation of time

“The Matrix of Inquiry” – Richard Buchanan

Horizontal (x) axis

‘scope of inquiry’ dimension, ‘clinical’ means refers to work primarily based on case studies.

Vertical (y) axis

what drives a particular inquiry—from the immediate needs of production, through questions of (design) practice out to questions generated by theory.

Depth (z) axis

past, present, and future as the ‘direction’ of inquiry

Latihan Merumuskan Masalah Perancangan

- 1. Mendefinisikan dan memformulasikan isu**
- 2. Menyusun derivasi ke persoalan arsitektural**
- 3. Membangun argumen adanya konflik**

Apple Dictionary

Kesalahan-kesalahan substansial

1. Aliran logika yang kurang kuat
2. Tidak didasari dengan fakta melainkan asumsi belaka
3. Tidak didasari referensi yang relevan
4. Tidak sampai pada persoalan arsitektural!
5. Judul yang tidak menunjukkan persoalan / dugaan awal